

LEONARD BLOOM & ASSOCIATES, LLC
401 Washington Avenue, Suite 905
Towson, Maryland 21204

DOCKET NO. 98618-PA

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled CELL-CULTURE AND POLYMER CONSTRUCTS, the specification of which

(check one) ☒ [X] is attached hereto,
☐ [] was filed on _____

as Application Serial No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

POWER OF ATTORNEY: As a named Inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in The Patent and Trademark Office connected therewith:

LEONARD BLOOM - Reg. No. 18,369
JAMES R. GAFFEY - Reg. No. 20,259

ROBERT M. GAMSON - Reg. No. 32,986
SAM ROSEN - Reg. No. 37,991

SEND CORRESPONDENCE TO: LEONARD BLOOM & ASSOCIATES, LLC, 401 Washington Avenue, Suite 905,
Towson, Maryland 21204 (410) 337-2295

201	FULL NAME OF INVENTOR	FAMILY NAME Hungerford	FIRST GIVEN NAME David	SECOND GIVEN NAME S.
	RESIDENCE & CITIZENSHIP	CITY Cockeysville	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 10715 Pot Spring Road, Cockeysville, Maryland 21030		
202	FULL NAME OF INVENTOR	FAMILY NAME Frondoza	FIRST GIVEN NAME Carmelita	SECOND GIVEN NAME G.
	RESIDENCE & CITIZENSHIP	CITY Woodstock	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 9707 Slalom Run Drive, Woodstock, Maryland 21163		
203	FULL NAME OF INVENTOR	FAMILY NAME Sohrabi	FIRST GIVEN NAME Afshin	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Columbia	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 9351 Westering Sun, Columbia Maryland 21045		
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

I hereby declare that all statements made hereof by my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

x *David P. Hagerford*
SIGNATURE OF INVENTOR 201
Hagerford

DATE 3/17/99

x *Carmelita G. Mendoza*
SIGNATURE OF INVENTOR 202
Mendoza

DATE 3/17/99

x *Alta Sohrabi*
SIGNATURE OF INVENTOR 203
Sohrabi

DATE 3/17/99

SIGNATURE OF INVENTOR 204

SIGNATURE OF INVENTOR 205

SIGNATURE OF INVENTOR 206

DATE _____

DATE _____

DATE _____

10066992-020402
207020-020402

LEONARD BLOOM & ASSOCIATES, LLC
401 Washington Avenue, Suite 905
Towson, Maryland 21204

DOCKET NO. 98618-PA

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled CELL-CULTURE AND POLYMER CONSTRUCTS, the specification of which

(check one) ☒ [X] is attached hereto,
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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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ROBERT M. GAMSON - Reg. No. 32,986
SAM ROSEN - Reg. No. 37,991

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Towson, Maryland 21204 (410) 337-2295

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
204	FULL NAME OF INVENTOR	FAMILY NAME SHIKANI	FIRST GIVEN NAME Alan	SECOND GIVEN NAME H.
	RESIDENCE & CITIZENSHIP	CITY Ruxton	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 11 Johnson Mill Road, Ruxton, Maryland 21204		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME Domb	FIRST GIVEN NAME Abraham	SECOND GIVEN NAME J.
	RESIDENCE & CITIZENSHIP	CITY Efrat	STATE OR FOREIGN COUNTRY ISRAEL	COUNTRY OF CITIZENSHIP ISRAEL
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 16 Migdal Eder Street, Efrat, ISRAEL		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

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DATE

DATE

DATE

SIGNATURE OF INVENTOR 204

SIGNATURE OF INVENTOR 205

SIGNATURE OF INVENTOR 206

DATE

DATE March 24, 1999

DATE

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legal representatives, either in its or their own name, to apply for, obtain and enforce patent, Utility Model and/or Inventor's Certificate protection for said improvements in all countries, all without further consideration but at the expense of said "ASSIGNEE," its successors, assigns, nominees, or other legal representatives.

Executed at Baltimore, Maryland this 19th
day of March, 1999.

X David S. Hungerford
DAVID S. HUNGERFORD

State of Maryland) SS:
County of Baltimore

Before me personally appeared said DAVID S. HUNGERFORD, who acknowledged the foregoing instrument to be his own free act and deed this 19th day of March, 1999.

Donna K. Guld
NOTARY PUBLIC

(SEAL.)

My commission expires March 26, 1999

Executed at Baltimore, Maryland this 19th
day of March, 1999.

Carmelita D. Frondoza
CARMELITA G. FRONDOZA

State of Maryland)
County of Baltimore) SS:

Before me personally appeared said CARMELITA G. FRONDOZA, who acknowledged
the foregoing instrument to be his own free act and deed this 19th day of
March, 1999.

Donna K. Guld
NOTARY PUBLIC

(SEAL)

My commission expires March 26, 1999

204020 25599001

Executed at Baltimore, MD this 19th
day of March, 1999.

Afshin Sohrabi
AFSHIN SOHRABI

State of Maryland) SS:
County of Baltimore)

Before me personally appeared said AFSHIN SOHRABI, who acknowledged the
foregoing instrument to be his own free act and deed this 19th day of
March, 1999.

Donna F. Guld
NOTARY PUBLIC

(SEAL)

My commission expires March 26, 1999

LB/mjr

204020-26699007

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I,

Abraham J. Domb

do hereby sell and assign to

BioShield, LLC

a limited liability company organized and existing under the laws of the State of Maryland, U.S.A., having its principal place of business at 401 Washington Avenue, Suite 905, Towson, Maryland 21204, (hereinafter referred to as "ASSIGNEE") its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the improvements in:

CELL-CULTURE AND POLYMER CONSTRUCTS

invented by me and the application for United States Patent therefor, Serial No. to be assigned, filed concurrently herewith, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents, Utility Model Registrations and Inventor's Certificates in countries foreign to the United States, and in and to any Letters Patent, Utility Model Registration or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration or Inventor's Certificate to the said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and I covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said "ASSIGNEE," its successors, assigns, nominees or other legal representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said "ASSIGNEE," its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce patent, Utility Model and/or Inventor's Certificate protection for said improvements in all countries, all

2010-02-26 09:00

without further consideration but at the expense of said "ASSIGNEE," its successors, assigns, nominees, or other legal representatives.

Executed at Towson, Maryland this 24th
day of March, 1999.

Abraham J. Domb
ABRAHAM J. DOMB

State of Maryland)
) SS:
County of Baltimore)

Before me personally appeared said ABRAHAM J. DOMB, who acknowledged the foregoing instrument to be his own free act and deed this 24th day of March, 1999.

Susan W. Butler
NOTARY PUBLIC

(SEAL)

My commission expires October 1, 1999

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I,

Alan H. Shikani

do hereby sell and assign to

BioSHIELD, LLC

a limited liability company organized and existing under the laws of the State of Maryland, U.S.A., having its principal place of business at 401 Washington Avenue, Suite 905, Towson, Maryland 21204, (hereinafter referred to as "ASSIGNEE") its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the improvements in:

CELL-CULTURE AND POLYMER CONSTRUCTS

invented by me and the application for United States Patent therefor, Serial No. to be assigned, filed concurrently herewith, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents, Utility Model Registrations and Inventor's Certificates in countries foreign to the United States, and in and to any Letters Patent, Utility Model Registration or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration or Inventor's Certificate to the said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and I covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said "ASSIGNEE," its successors, assigns, nominees or other legal representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said "ASSIGNEE," its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce patent, Utility Model and/or Inventor's Certificate protection for said improvements in all countries, all

20100201 216699007

without further consideration but at the expense of said "ASSIGNEE," its successors, assigns, nominees, or other legal representatives.

Executed at Travis, Maryland this 24th
day of March, 1999.

Alan H. Shikani
ALAN H. SHIKANI

State of Maryland)
) SS:
County of Baltimore

Before me personally appeared said ALAN H. SHIKANI, who acknowledged the foregoing instrument to be his own free act and deed this 24th day of March, 1999.

Carlynn H. Bates
NOTARY PUBLIC

(SEAL)

My commission expires October 1, 1999



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 10, 1999

PTAS

LEONARD BLOOM & ASSOCIATES, LLC
LEONARD BLOOM, ESQ.
401 WASHINGTON AVENUE
SUITE 905
TOWSON, MD 21204



101003558A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/24/1999

REEL/FRAME: 9848/0182
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SHIKANI, ALAN H.

DOC DATE: 03/24/1999

ASSIGNEE:
BIOSHIELD, LLC
401 WASHINGTON AVENUE
SUITE 905
TOWSON, MARYLAND 21204

SERIAL NUMBER: 09275319
PATENT NUMBER:

FILING DATE: 03/24/1999
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-01-1999



To the Honorable Commissioner of Patents

101003558

original documents or copy thereof.

1. Name of conveying party(ies):

Alan H. Shikani

3-24-99

2. Name and address of receiving party(ies)

Name: BioShield, LLC

Internal Address:

Street Address: 401 Washington Avenue

Suite 905

City: Towson State: MD ZIP: 21204

Additional name(s) & address(es) attached? ☐ Yes ☒ No

JC542 U.S. PTO

09/275319

03/24/99

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution date: March 24, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application date is: March 24, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leonard Bloom, Esquire

Internal Address: LEONARD BLOOM & ASSOCIATES, LLC

Street Address: 401 Washington Avenue

Suite 905

City: Towson State: MD ZIP: 21204

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

02-2839

(Attach duplicate copy of this page if paying by deposit account)

04/01/1999 DISCLOSURE 00000025 09275319

01 FC:581

40.00 DP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Leonard Bloom

Name of Person Signing

Signature

Date

3-24-99

document:

Total number of pages including cover sheet, attachments, and

3



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

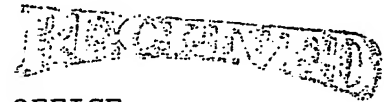
JUNE 10, 1999

PTAS

LEONARD BLOOM & ASSOCIATES, LLC
LEONARD BLOOM, ESQ.
401 WASHINGTON AVENUE
SUITE 905
TOWSON, MD 21204



101003559A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT: 21 638

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ASSIGNEE:

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SERIAL NUMBER: 09275319
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MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
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1. Name of conveying party(ies):

Abraham J. Domb

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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: BioShield, LLC

Internal Address: _____

Street Address: 401 Washington AvenueSuite 905City: Towson State: MD ZIP: 21204Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Execution date: March 24, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application date is: March 24, 1999.

A. Patent Application No.(s)

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5. Name and address of party to whom correspondence concerning document should be mailed:

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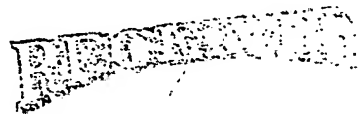
JUNE 10, 1999

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LEONARD BLOOM & ASSOCIATES, LLC
LEONARD BLOOM, ESQ.
401 WASHINGTON AVENUE
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TOWSON, MD 21204



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JUN 31 1999

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ASSIGNOR:

HUNGERFORD, DAVID S.

DOC DATE: 03/19/1999

ASSIGNOR:

FRONDOZA, CARMELITA G.

DOC DATE: 03/19/1999

ASSIGNOR:

SHRABI, AFSHIN

DOC DATE: 03/19/1999

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720 RUTLAND AVENUE
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SERIAL NUMBER: 09275319
PATENT NUMBER:

FILING DATE: 03/24/1999
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04-01-1999

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1. Name of conveying party(ies):

David S. Hungerford
Carmelita G. Frondoza
Afshin Shrabi

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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: The Johns Hopkins University

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Street Address: 720 Rutland AvenueCity: Baltimore State: MD ZIP: 21205Additional name(s) & address(es) attached? ☐ Yes ☒ No

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Execution date: March 19, 1999

4. Application number(s) or patent number(s):

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A. Patent Application No.(s)

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leonard Bloom, EsquireInternal Address: LEONARD BLOOM & ASSOCIATES, LLCStreet Address: 401 Washington Avenue

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